M.R.A.C. MEETING MINUTES
February 12, 1970
Milwaukee School of Engineering

The meeting was called to order at 8:05 PM by President, W9ZPV.

Because of the limited time available it was agreed to dispense with the usual reports and XXXXXXXX business meeting.

A letter from A.R.R.L. Headquarters was read. It reported that the records of the League indicate that the XXXX M.R.A.C. is the oldest active club affiliated with the League. This dates back to December 5, 1919. They requested photographs and information of interest for an article to be published in the April issue of QST. Since their deadline for this information is February 15th, it was necessary to take pictures at this meeting.

Pictures were taken by K9FZD of several groups including all the past presidents who were present; Life and charter members and present officers and the youngest member present; and the entire group present at this meeting.

After the picture taking an interesting program was presented by W9BTI in which he described interesting ways of feeding antennas and reducing line losses. He also answered questions about antenna and feedline problems.

It was announced that the I.E.E.E. (Institute of Electronic and Electrical Engineers) have invited any interested MRAC member to attend a meeting on Feb. 19th, at the Tyrolian House, at which the Project Sanguine will be described.

Members were reminded of the Valentine Dance being held on Feb. 21st. W9RKP was on hand to describe the planned activities and to sell tickets.

W9BTQ reported that new zoning ordinances were being planned in Menomonee Falls which include drastic limitations on antenna structures...both new and existing. He urged all interested members to keep alert to this and take whatever action was possible.

The meeting was adjourned at 10 PM.

M.R.A.C. MEETING: March 12, 1970; Milwaukee School of Engineering

The meeting was called to order at 7:30 PM by President W9ZFV.

He showed samples of the pictures taken during the Febrary meeting and announced that copies will be available to members at $1.00 each. There were four different pictures. He reported that the cost of photography was $ 57.30. Also spent during the last month was the sum of $ 30.00 for identification tags to be worn by each member during every meeting. Both expenditures were approved by the M.R.A.C. Board of directors. The distribution and collection of I.D. tags at each meeting will be done by W9BTQ.

It was announced by W9CTI that tours can be arranged through the WITI transmitter and through the Local Heathkit facility. Dates for these tours will be announced. He also requested more volenteers to have an open house of their ham shack.

New members were introduced.

W9RKP reported that the Valentine party was a success. A good time was had by all who attended....less than half of who were hams. More than $200 dollars worth of door prizes were distributed. A net profit of $51.89 was had.

There being no urgetn business, the regular meeting was adjourned at 7:50 PM and a lively auction, conducted by W9VQD, followed.

Milwaukee Radio Amateurs Club, Inc.
Regualr Meeting, April 9, 1970
Milwaukee, School of Engineering

The meeting was called to arder at 7:40 PM by W9ZPV.

The minutes of the March meeting were read and approved.

The treasurer reported a balance of $ 694.55 on hand.

W9ZPV reminder the members that the election of officers will be held at the June meeting. He secured two volenteers, W9VQD and WB9BGJ, as part of a nominating committee. A slate of nominees will be presented at the May meeting.

W9CTI announced that there will be an open house at the transmitter of WITI-TV, at 8 PM on Wednesday, April 29th. All members and friends are invited.

Volenteers were sought to help give novice tests, for the club, to those who requested them. The following four were received: W9VQD, WA9JOV, K9DD, and W9ITD.

W9BTQ distributed the new identification cards to those members present and received data from those without cards.

WB9BGJ ~~WB9BJG~~ took color photographs for A.R.E.C. I.D. cards for those people who missed the Tuesday meeting.

W9ZPV assisted by W9BTQ presented an interesting demonstration on making printed circuit boards.

The meeting was adjourned at 9:30 PM.

Milwaukee Radio Amateurs Club, Inc.
May 14, 1970
Milwaukee School of Engineering

The meeting was called to order at 7:45 PM by Vice President, Ray Weeks, WA9JOV.

The minutes of the April meeting were read and corrected.

The treasurer reported a balance of $ 550.00 in the treasury as of Ma6 6th. He also reported that the roster will be ready in about a month and is still open for additons or corrections. He also reported having received the picnic permit for August 16, 1970 in Area #4 Kleuszch (s) Park.

The meeting was open for nominations of officers and a slate of nominees was presented by W9VQD, as follows:

President:	Dick Oberholtzer	W9ZPV
1st V. Pres:	Jim Ott	W9LCD
2nd V. Pres:	Ray Weeks	WA9JOV
Secretary:	Walt Glish	W9YYW
Treasurer	Charles Dawson	W9CUW
New Directors:	Jack McLeland	W9ATK
	Emmett Koebel	K9DD
	John Hopwood	W9KYT

There were no further nominations from the floor.

W9VQD presented to Chet Sakura, W9CTI, a Geniune Japanese telegraph key, from Manila and commended him on a job well done in editing and publishing the Hammatuer Chatter during the past year.

Chet reminded the club that there will be an open-house for all area Hams at Heathkit on 52nd and Capitol drive at 7:00 PM on Wednesday May 27th. He also urged all members to continue submitting news and gossip for future issues of the paper.

An interesting program about two-meters repeaters was presented by Carl Rohde, W9ROM, and Dick Scarvaci, K9CAN. Many questions relative to repeate: operation were answered.

K9KJT announced that the A.R.E.C. is assisting with several parades and any interested Ham should report to the staging areas where he can sign up and help in the operations.

Members were reminded that officers will be elected at the Jume Meeting.

The meeting was adjourned at 9:40 PM.

Milwaukee Radio Amateurs Club
June 11, 1970
Milwaukee School of Enginneering

The meeting was called to order at 7:45 PM by president W9ZPV.

The minutes of the May meeting were read and approved.

The treasurer reported a balance of $ 550.50 on hand at this time.

The annual election of officers was conducted by W9VQD. He presented the slate of candidates compiled by the nominating committee. There were no additional nominations from the floor. The secretary was instructed to cast a unanimous ballot electing those candidates nominated by the committee. The list of new officers is as follows:

President:	Dick Oberholtzer	W9ZPV
1st Vice President:	Jim Ott	W9LCD
2nd Vice President	Ray Weeks	WA9JOV
Treasurer:	Charles Dawson	W9CUW
Secretary:	Walt Glish	W9YYW
New Directors:	Jack McLeland	W9ATK
	Emmet Koebel	K9DD
	John Hopwood	W9KYT
Carry-over Directors:	Lloyd Wantland	WA9JKD
	Chester Sakura	W9CTI
	Harold Engelke	K9CMX

W9ZPV outlined some ideas for club activities in the coming season and urged all members to consider some of the following projects: Construction of solid-state NBFM 2-Meter equipment; Construction of F.E.T. Pre-amps for use on any band; Instructional meetings about transistors and other solid-state devices; Instructions meetings about the operation and use of oscilloscopes.

The color movie entitled "Hams' Wide World" was shown.

Mr. Phill Haller, A.R.R.L. Central Division Director, gave an informal talk about current ARRL activities and about the prospective "Repeater" legislation.

Members were reminded of the Club Picnic to be held on Augaut 16th.

The meeting was adjourned at 9:43 PM.

Milwaukee Radio Amateurs' Club
September Meeting, 9-10-70
Milwaukee School of Engineering

The meeting was called to order at 7:45 PM by president W9ZPV.

Visotors and new members were introduced.

It was reported that the summer picnic was an enjoyable event. About 65 people were in attendance....the weather was ideal.

Thesuggestion was again made that the club embark ona building project of some sort. A printed circuit transistor pre*amp, for any Ham frequency, was one of the items suggested.

Emmet Koeble, K9DD, introduced a new ham, Jim Boos, WN9EVT, and sponserec him as a new member to the club.

A film describing how an oscilliscope can be used as a graph was shown and was followed by a question and answer session, regarding scopes, conducted by Jim Ott, W9LCD.

W9CTI displayed a large sign with the call letters WX 9 BAR which had been secured from an advertiser by Roy Freeman, K9HGJ. This sign will be presented to George & Elsie after the October meeting. Chet also repeated his plea for more news items of any kind for the Hamatuer Chatter Club Paper.

It was decided to have another film and a demonstration in the function and using of an oscilloscope.at the October meeting.

The meeting was adjourned at 9:05 PM.

Milwaukee Amateurs Club
October 9, 1970
Milwaukee School of Engineering

The meeting was called to order at 7:45 PM by President W9ZPV.

There were 34 members and 3 visitors present.

The minutes of the September meeting were read and approved.

New members, visitors and some old-timers were introduced.

The treasurer reported a balance of $315.14, as of September 18th.

Bob Price, WA9JLU, asked for any corrections of addresses from those present.

Reid Burrows, W9JWT, reported that he is conducting a class in Novice code and theory at the Waukesha Technical institute every Wednesday from 7:00 to 9:30 PM. The pace of the course is aimed at having the students take their tests in early December. Similar sessions are also being held in the Menonmonee Falls Central High School.

Future meetings were planned as follows: ~~MXVXMXX~~
November: Auction Night
December: oscilliscope calibration.
January: Old timers' night

Chet Sakura asked for news for the future Hamateur Chatter. He asked in particular for reports from the old-timers describing how they got started in ham radio.

Jim Ott , W9LCD, showed a film, from Tektronix, describing how a cathode tube is manufactured and how it works. This was followed by a demonstration on measuring frequency, measuring voltage, viewing distortion and trouble-shooting equipment with a scope.

The meeting was adjourned at 9:30PM.

November 12, 1970
Milwaukee School of Engineering

The meeting was called to order at 7:35 PM by president, W9ZPV.

In order to provide sufficient time for the auction, all regular business was skipped. Visitors were introduced. The total attendance was 83 people: 35 Members and 48 visitors.

The auction was ably conducted by Ken Eggert, M9MOT, later assisted by Travis Baird, W9VQD. This was concluded at closing time; 09:50 PM.

Milwaukee Radio Amateurs Club
December 10, 1970

The meeting was called to order by Jim Ott, W9LCD, in the absence of President, W9ZPV.

Because of blizzard conditions, attendance was reduced to 14.

A lecture on electronic circuits was given by W9LCD.

Attendance and minutes were taken by W9CTI.

February 11, 1971
The meeting was called to order at 7:40 PM by W9ZPV. Nine visitors were introduced.

W9RKP was on hand to sell tickets for the Valentine Dance on Feb. 20th.

W9VQD asked if the members present were in favor of continuing the practice of having the club pay for a lunch served at the annual Old-Timers party. The cost of the last lunch was approximately $140.00.

It was moved, by W9RKP, and seconded, that the practice of supplying lunch be eliminated. The motion was not carried.

It was moved, by WN9EHA, and seconded, that the club continue to furnish a luncheon at the Old Timers Party. The motion was carried. The majority of those present favored having the lunch served between 8 and 9 PM. 10 were for 8 PM and 14 were for 9 PM.

W9RKP advised that this motion should be regarded as advisory and the final decision must be made by the Board of Directors.

An interesting demonstration of checking diodes and transistors with an oscilloscope and a home brew tester was presented by W9BTQ. W9ZPV described a mothosd of checking and identifying unknown transistors using an Ohm-meter.

W9CTI reminded any qualified members that if they joined the Quarter Century Wireless Association of Wisconsin at this time they would become Charter Members.

The members were told that the date for the Picnic has been reserved. It will be on Sunday August 15, in Area 4 of Kleinschz Park.

The March program will include a presentation by W9ATK describing how to tune a 2 Meter FM rig. A nominating committee will also be selected.

The meeting was adjourned at 9 PM.